

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 038871.58287US	
INTERNATIONAL APPLICATION NO. PCT/EP2005/005154		INTERNATIONAL FILING DATE May 12, 2005	PRIORITY DATE CLAIMED May 25, 2004 and October 28, 2004
TITLE OF INVENTION COOLING APPARATUS COMPRISING A THERMAL INTERFACE AND METHOD FOR RECONDENSING A CRYOGEN GAS			
APPLICANT(S) FOR DO/EO/US <p style="text-align: center;">Timothy John HUGHES</p>			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
1.	<input type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2.	<input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3.	<input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4.	<input checked="" type="checkbox"/> The US has been elected (Article 31).		
5.	<input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))		
	a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
	b. <input type="checkbox"/> has been communicated by the International Bureau.		
	c. <input type="checkbox"/> Is not required, as the application was filed in the United States Receiving Office (RO/US).		
6.	<input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
	a. <input type="checkbox"/> is attached hereto.		
	b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7.	<input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
	a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
	b. <input type="checkbox"/> have been communicated by the International Bureau.		
	c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
	d. <input type="checkbox"/> have not been made and will not be made.		
8.	<input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9.	<input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) (one (1) page).		
10.	<input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:			
11.	<input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12.	<input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13.	<input type="checkbox"/> A preliminary amendment.		
14.	<input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15.	<input type="checkbox"/> A substitute specification.		
16.	<input type="checkbox"/> A power of attorney and/or change of address letter.		
17.	<input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18.	<input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19.	<input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/594,618		PCT/EP2005/005154		038871.58287US	
20. <input checked="" type="checkbox"/> Other items or information: A copy of the Notification of Missing Requirements dated October 31, 2007 and a Petition for Extension of Time Under 37 CFR 1.136(a).					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input type="checkbox"/> Basic national fee (37 C.F.R. §1.492(a))				\$	
22. <input type="checkbox"/> Examination fee (37 C.F.R. §1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$0.00	
All other situations				\$210.00	
23. <input type="checkbox"/> Search fee (37 C.F.R. §1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$0	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority				\$100	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB				\$410	
All other situations				\$510	
TOTAL OF 21, 22 AND 23 =				\$	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing filed in an electronic medium) (37 CFR 1.492(j)). The fee is \$260 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100	/ 50 =		x 260	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20		x 50	\$	
Independent claims	- 3		x 210	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 370	\$	
TOTAL OF ABOVE CALCULATIONS =				\$130.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
TOTAL NATIONAL FEE =				\$130.00	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$130.00	
01/31/2008 LLANDGRA 00000059 10594618				Amount to be refunded:	\$
01 FC:1617 130.00 OP				Amount to be charged:	\$

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

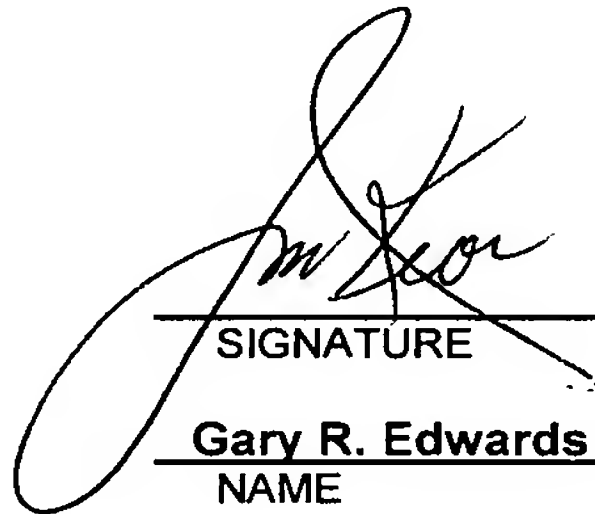
- a. ☐ A check in the amount of \$ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. **05-1323 (Attorney Docket No. 038871.58287US)** in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **05-1323 (Attorney Docket No. 038871.58287US)**. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. The PTO-2038 should only be mailed or faxed to the USPTO. However, when paying the basic national fee, the PTO-2038 may NOT be faxed to the USPTO.

ADVISORY: If filing by EFS-Web, do NOT attach the PTO-2038 form as a PDF along with your EFS-Web submission. Please be advised that this is not recommended and by doing so your credit card information may be displayed via PAIR. To protect your information, it is recommended paying fees online by using the electronic payment method.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

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Intellectual Property Group
P.O. Box 14300
Washington, D.C. 20044-4300
Tel. No. (202) 624-2500
Fax No. (202) 628-8844


SIGNATURE
Gary R. Edwards / James F. McKeown
NAME

31,824/ 25,406
REGISTRATION NUMBER

January 30, 2008
DATE



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/594,618	Timothy John Hughes	038871.58287US

23911
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INTERNATIONAL APPLICATION NO.	
PCT/EP05/05154	
I.A. FILING DATE	PRIORITY DATE
05/12/2005	05/25/2004

CONFIRMATION NO. 5012
371 FORMALITIES LETTER



OC000000026518717

Date Mailed: 10/31/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Priority Document
- Copy of the International Application filed on 09/28/2006
- Copy of the International Search Report filed on 09/28/2006
- Copy of IPE Report filed on 09/28/2006
- Copy of Annexes to the IPER filed on 09/28/2006
- Preliminary Amendments filed on 09/28/2006
- Information Disclosure Statements filed on 09/28/2006
- Request for Immediate Examination filed on 09/28/2006
- U.S. Basic National Fees filed on 09/28/2006
- Priority Documents filed on 09/28/2006
- Specification filed on 09/28/2006
- Claims filed on 09/28/2006
- Abstracts filed on 09/28/2006
- Drawings filed on 09/28/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

VONDA M WALLACE

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